

ABSTRACT

A chimera adenovirus type 5/type 11 or type 35 vector which comprises a replication-defective adenovirus type 5 and a gene coding for a human immunodeficiency virus (HIV) envelope protein or for a mutant thereof equivalent in function thereto as integrated in the adenovirus type 5 in a manner capable of expression, with the fiber protein-encoding gene of said adenovirus type 5 being substituted by a gene coding for the fiber protein of an adenovirus type 11 or type 35 or for a mutant thereof equivalent in function thereto in a manner capable of expression shows reduced hepatotoxicity, can induce a very strong HIV-specific cellular immune response, and is very effective as a drug for the protection against HIV infection.